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DATE: March 1, 2012

TO: Kelley Chase, EPA Region 3 OSC
Cynthia Caporale, EPA Region 3 OASQA

THROUGH: **Ex. 4 - CBI** SERAS Program Manager
Ex. 4 - CBI SERAS QA/QC Officer

FROM: **Ex. 4 - CBI** QA/QC Chemist

SUBJECT: VERIFICATION/COMPLETENESS CHECK – DIMOCK, PA LABORATORY DATA
[PACE-Validated Report-R33917 5057788.PDF](#)
[PACE-Validated Report-R33917 5057872.PDF](#)

INTRODUCTION

On February 29, 2012, a review of the case narratives and corresponding certificates of analysis from Pace Laboratory (Ethylene glycol Reports Posted Feb 27) was reviewed at the SERAS facility in accordance with the Follow-Up Verification/Completeness Check agreed upon during our teleconference on Wednesday 2/8/12.

The assumptions for this review include the following: 1) Case narratives from the Regional labs and/or subcontract labs have been reviewed in accordance with Regional or Environmental Services Assessment Team (ESAT) protocols and contain all pertinent and complete information to conduct the completeness check. SERAS will base this review on the information provided by the laboratory and not on an actual data package; and 2) SERAS will relay any “red” flags to the EPA R3 personnel to resolve and determine data usability.

OBSERVATIONS

In accordance with Table 1 – Field and QC Sampling Summary (Rev01 - 2/3/12), Table 2 – Sample Analytical Requirements Summary (Rev01 – 2/3/12), Methods for Groundwater and Surface Water Samples and SW-846 8015B, the following observations were noted and need to be clarified/resolved.

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1. The holding times were checked from the time of collection on the chain of custody (COC) to the time of analysis on the analysis log sheet. Based on the criteria in SW-846 8015 (references SW-846 Chapter 4-Organic Analysis), the holding time for an unpreserved sample for this analysis is 7 days. Table 2 states that the holding time for this method is 14 days with no preservative. In addition, the EPA R3 laboratory uses a holding time of 7 days for glycols and/or alcohols. Based on the 7-day holding time, samples FB01, HW19 and HW19-P exceeded the holding time criteria and should be qualified estimated (UJ).
2. Raw data was not provided, it is assumed that the sample results are all none detected and the stated concentrations in the LCS and MS/MSD tables are correct and pass their QC criteria.

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1. Analysis log sheets were not provided. It is assumed that the dates of analysis on the analytical result sheet are correct and thus are within the holding time criteria for the analysis.
2. The continuing calibration reports were not provided. It is assumed that these checks pass the % difference criteria stated in the method and were analyzed at the proper frequency.
3. Raw data was not provided, it is assumed that the sample results are all none detected and the stated concentrations in the LCS and MS/MSD tables are correct and pass their QC criteria.

cc: Sella Burchette, SERAS Project Officer
John Gilbert, ERT WAM
Gary Newhart, ERT WAM
Ex. 4 - CBI SERAS Task Leader

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